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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/804,240

03/18/2004

Zhenyu Wu

8109-2

7462

22150 7590 10/24/2007
F. CHAU & ASSOCIATES, LLC
130 WOODBURY ROAD
WOODBURY, NY 11797

EXAMINER

PERUNGAVOOR, VENKATANARAY

ART UNIT

PAPER NUMBER

2132

MAIL DATE

DELIVERY MODE

10/24/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/804,240

Applicant(s)

WU ET AL.

Examiner

Venkat Perungavoor

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 28-29 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 28-29 are represented as data only.

Claims 1-8, 10-12, and 14 rejected under 35 U.S.C. 101 because the claimed invention lacks patentable utility. Claims 1-8, 10-12, and 14 relates to system components that can be made up of software only(i.e. lacks patentable utility) see Par. 0054 of instant published application.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Digital Rights Management and Watermarking of Multimedia Content for M-Commerce Application by Hartung et al.(hereinafter Hartung).

Regarding Claim 1, Hartung discloses the authenticated acquisition subsystem for digitally watermarking video data see Fig. 5 item “Watermarking”; a video management subsystem in signal communication with authenticated acquisition subsystem for storage, viewing and verification of the digitally watermarked video data see Fig. 5 item “Client/receiver” & Page 83 “Mobile DRM” Par. 1-

DETAILED ACTION

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Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

The claimed invention is directed to non-statutory subject matter. Claims 28-29 are represented as data only.

The claimed invention lacks patentable utility. Claims 1-8, 10-12, and 14 relates to system components that can be made up of software only(i.e. lacks patentable utility) see Par. 0054 of instant published application

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2; a secure wireless video transfer subsystem in signal communication between the acquisition and management subsystems see Fig. 5 item "Mobile IP network".

Regarding Claim 2, Hartung discloses the video database for storing video data see Fig. 2 item Video DB.

Regarding Claim 3, 16, Hartung discloses the intermittent signal communication between management subsystem and acquisition subsystem see § Watermark Technology Page 82 Par. 5 & 6.

Regarding Claim 4-7, 22-24, Hartung disclose the signature being applied, verified and displaying of video see Introduction Par. 3 & § MPEG-4 DRM standardization Par. 4.

Regarding Claim 8-9, 14, 18, 21, 25, 27, Hartung discloses the wireless client and wireless communication see Fig. 5.

Regarding Claim 10-11, Hartung discloses the watermarking of data and verifying of watermark see § MPEG-4 DRM standardization Par. 2.

Regarding Claim 12-13, 20, 26, Hartung discloses the playback device including a camera see § Mobile DRM Par. 1.

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Regarding Claim 15, Hartung discloses the digitally watermarking video data see Fig. 5 item Watermarking; verifying the digitally watermarked video data see § MPEG-4 DRM standardization Par. 2; coordinating communications of video data see § MPEG-4 DRM standardization Par. 4.

Regarding Claim 17, Hartung discloses the storing of video data see Fig. 2 item Video DB.

Regarding Claim 19, Hartung discloses the compression see MPEG-4 DRM standardization Par. 1.

Claims 28-29 are rejected under 35 U.S.C. 102(b) as being anticipated by Robust Watermarking of Cartographic Images by Barni.

Regarding Claim 28, Barni discloses the plurality of block transform coefficients indicative of mobile video recording see § Introduction Par. 3, the coefficients collectively indicative of original video data sequence with a secure watermark see § Introduction Par. 6, the secure watermark comprising plurality of signatures see Fig. 10(a)-(g).

Regarding Claim 29, Barni discloses the error-correcting signature and rate-distortion guided bit embedding see Fig. 11 & § 5.2 Overall Performance Par. 3.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkat Perungavoor whose telephone number is 571-272-7213. The examiner can normally be reached on 8:30-5:00. If attempts to reach the examiner by telephone are unsuccessful,

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the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VP/
Venkat Perungavoor
Examiner
Art Unit 2132
October 5, 2007



Benjamin E. Lanner
Examiner AU 2132